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May 10, 1954

Mr. Robert J. Muettner, Manager
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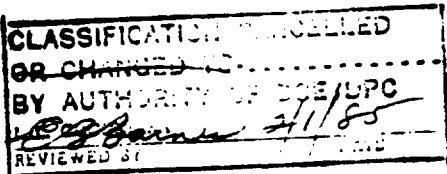
Dear Bob:

We would like to get an estimate of the strontium-90 and calcium content in the agricultural soils in those areas around the Nevada Proving Ground where the highest fallout occurred. This would be, generally, in the Virgin River Valley north of Highway 91 and some farm land along Highway 93 north of Glendale. The samples should be taken from a known surface area such as one square foot to a depth of about two inches to ensure collecting practically all of the activity. The exact number of samples would be left to the discretion of the collector but probably about twenty would be adequate.

Do you think Meritt could make these collections and send the samples to John Farley at NYOO, who would make the strontium-90 and calcium analyses? By this arrangement we may compare directly with the analyses he made of the soils from islands in the Pacific.

Sincerely yours,

Gordon M. Dunning, Health Physicist
Biophysics Branch
Division of Biology and Medicine



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